



## *Project Manager Tactical Radio Communications Systems*

# **Spitfire (AN/PSC-5) / Shadowfire (AN/PSC-5C)**

### **MISSION**

Provides Command and Control (C2) for the Corps and Division War Fighter Nets (WFN) and Supports Army Special Operations Forces (SOF) C2, in War, and Operations Other-Than-War (OOTW) Complies W/JCS Mandate for All Users to Be Demand Assigned Multiple Access (DAMA) & Advanced Narrow Band Digital Voice Terminal (ANDVT) Capable.



### **DESCRIPTION & SPECIFICATIONS**

The Enhanced Manpack UHF Terminal (i.e., EMUT and also known as SPITFIRE) program replaces the existing inventory of single channel Satellite Communications (SATCOM) radios to add Embedded Communications Security (COMSEC) and Demand Assigned Multiple Access (DAMA) capability to support all DoD, Special Operations Forces (SOF) and other agencies. The SPITFIRE is a small, lightweight manpack Multiband Multimode radio (VHF and UHF) that provides Command and Control (C2) communications for the Corps and Division War Fighter (DWF) and supports the Army Special Operations Forces (SOF) C2, in War, and in Operations Other than War (OOTW).

The SPITFIRE Terminal has been selected to provide both Wideband and Narrowband Range Extension for both voice and data in Manpack and Mobile Tactical Vehicles. The Beyond Line of Sight (BLOS) Range Extension capability of the radio is utilized in the Army's SATCOM-On-The-Move (SOTM) OE-563 functionality in moving vehicular platforms (versus stationary).

A portion of the Army's SPITFIRE radios (AN/PSC-5) are being upgraded to the SHADOWFIRE (AN/PSC-5C) and will provide enhanced capability to the warfighter including Improved Voice Recognition.



### **Milestones (Achieved/Schedule)**

- Production and contract delivery of over 6000 radios of which 2934 Army Spitfires were completed.
- P31 Shadow Field Modification Work Order (MWO) Upgrade to be completed 4Q06
- 2Q05-2Q07 SBCT 4-6 scheduled to receive Shadowfire radios and SOTM Upgrades concurrently based on troop and equipment rotation

### **Prime Contractor**

Raytheon Corporation (Ft Wayne, IN; Largo, FL)

### **PM TRCS Points of Contact**



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